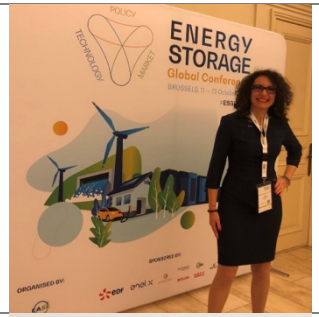
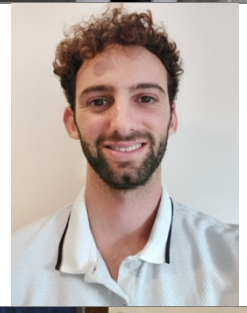
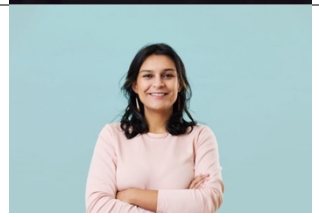
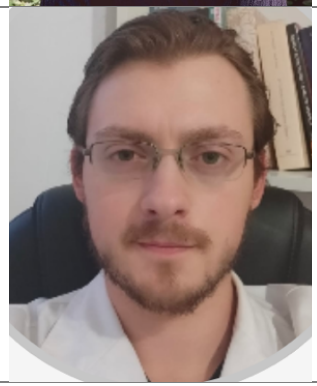
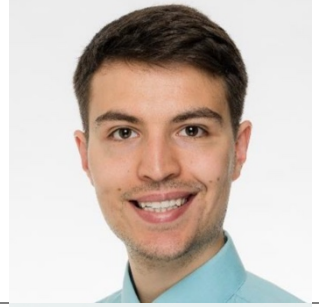
StoRIES Early-stage Researcher Network

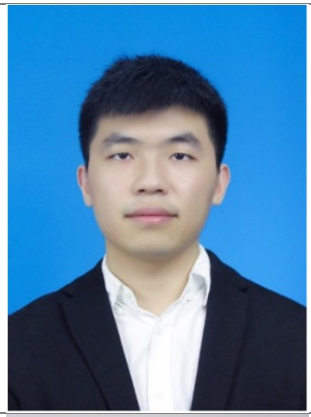
Name	Surname	Organization	Affiliation	Field	PhD Project Title	Photo
Elham	**Abohamzeh**	Saarland University	Automation and Energy Systems	Thermal Energy Storage	Development and performance analysis of a seasonal thermochemical energy storage for buildings	
Riccardo	**Adinolfi Borea**	University of Bologna	Department of Industrial Engineering	Photovoltaics	Single-axis tracker routine optimization for bifacial photovoltaic modules	
Shijil	**Anamkunnath Nediyirakkal**	Lulea University of Technology (Sweden)	Dept. Civil, Environmental and Natural Resources Engineering	Electrochemistry / Battery and Supercapacitor Electrode	Mine tailings for battery and supercapacitor electrodes	

Irena	**Beloreshka**	Technical University of Sofia	Faculty of Management	Energy Storage	Research into and development of economic models for construction of battery-based electricity storage systems	
Hüseyin	**Ersoy**	Karlsruhe Institute of Technology (KIT)	Institute for Technology Assessment and Systems Analysis (ITAS)	Power-to-Aluminium	Implementation of constructive sustainability assessment for an emerging energy storage technology	
Konstantinos	**Ilia**	Northumbria University of Newcastle		Renewable Energy Storage and Smart Grids		
Silvia	**Lo Conte**	Sapienza Università di Roma	Department of Chemical Engineering Materials Environment	Chemical Engineering	Green hydrogen production through molten carbonate electrolysis	

Costanza	**Luppi**	Alma mater studiorum-University of Bologna	Dept. of Electrical, Electronic, and Information Engineering	Solar Intermittency and Storage	National PhD Programme “Photovoltaics”	
Panagiotis	**Lykas**	National Technical University of Athens (NTUA)	Department of Thermal Engineering, School of Mechanical Engineering	Hybrid energy storage	Advanced energy storage systems from renewable energy sources for building and industrial applications	
Laura Sofia	**Mesa Estrada**	Karlsruhe Institute of Technology (KIT)	Institute for Technology Assessment and Systems Analysis (ITAS)	Technology Assessment	Multi-criteria decision analysis for sustainability assessment of energy technologies: a use case of energy storage	
Lakshimi Narayanan	**Palaniswamy**	Karlsruhe Institute of Technology (KIT)	Elektrotechnisches Institut (ETI), Team System Control and Analysis	Energy Management System, Hybrid Energy Storage System, Power to Heat	Energy management system for real-time optimization of a multi-energy system	

Paolo	**Pilati**	University of Bologna	DEI - Department of Electrical, Electronic and Information Engineering	Power Electronics	Design of a converter for green hydrogen production	
Philipp	**Rentschler**	Karlsruhe Institute of Technology (KIT)	Institute for Micro Process Engineering (IMVT)	Power-to-X	Transient operation of Power-to-X plants connected to intermittent renewable power sources in isolated networks	
Luigi Jacopo	**Santa Maria**	University of Limerick	Department of Chemical Science, Bernal Institute	Material Science	Development of graphite/Si anodes for high energy density lithium-ion batteries	

Syed Safeer Mehdi	**Shamsi**	University of Genova	Thermochemical Power Group	Carnot Batteries	Thermo-mechanical energy storage based on innovative energy cycles	
Jakob	**Smith**	Technische Universität Wien (TU Wien)	Institute of Applied Synthetic Chemistry	Chemistry	Low temperature thermochemical energy storage for industrial applications	
Jonas	**Sprengelmeyer**	Karlsruhe Institute of Technology (KIT) / Volkswagen	Institute for Technology Assessment and Systems Analysis (ITAS)	Sustainability Assessment	Development of methods for holistic technology assessment and the derivation of technology roadmaps	

Cheng	**Xu**	Karlsruhe Institute of Technology (KIT)	Helmholtz Institute Ulm	Energy storage	Highly efficient aqueous aluminum-air batteries	
Fangmu	**Qu**	Technical University (TU) Darmstadt	Dispersive Solids	Battery	Sulfur-based composites embedded in SiOC/SiC ceramic matrix utilized as cathode materials for high-performance lithium sulfur batteries